

Current vs. Mean Position of the Africa ITF

Jul 2010 : Dekad 3

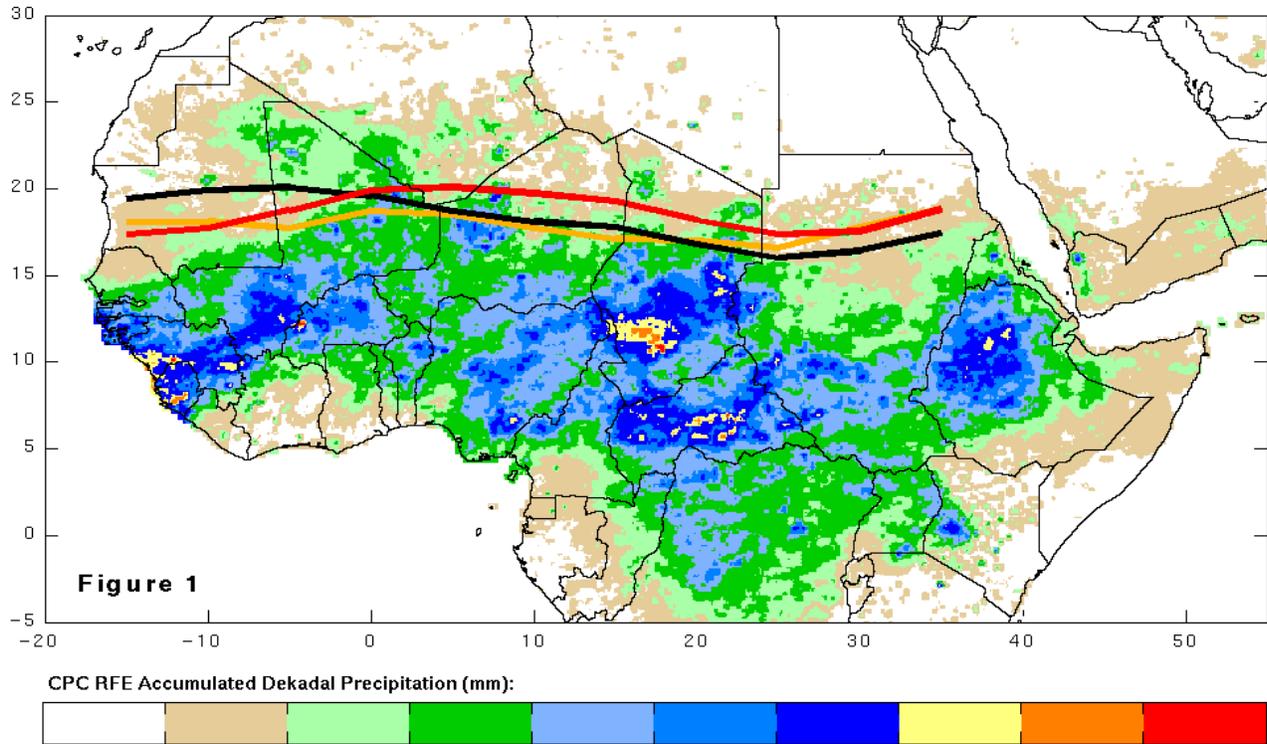
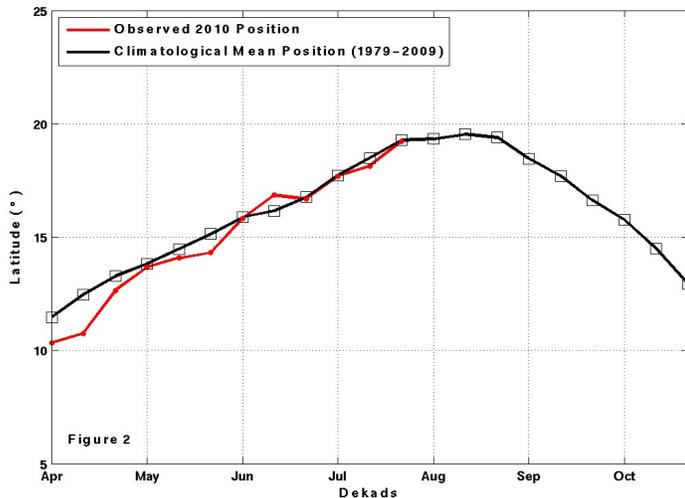


Figure 1

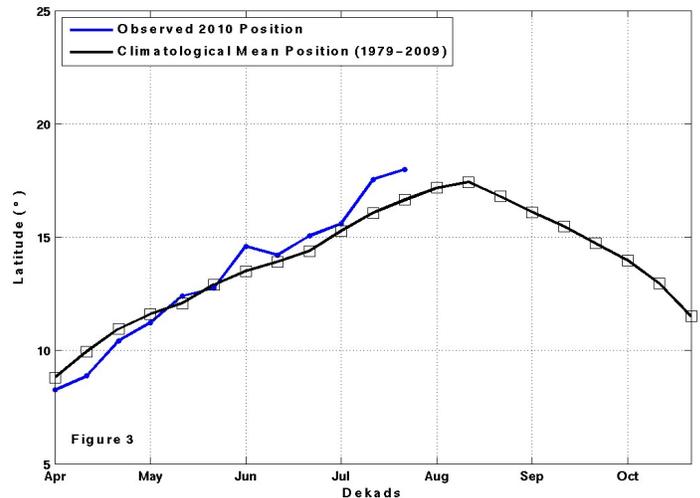


- Previous 10-Day Mean Position
- Normal 10-Day Mean Position
- Current 10-Day Mean position

Mean West Portion of ITF: Averaged 10°W to 10°E
As of Jul 2010 : Dekad 3



Mean East Portion of ITF: Averaged 20°E to 35°E
As of Jul 2010 : Dekad 3



From July 21-31, 2010, the ITF continued to remain ahead of its climatological average position across many areas in the Sahel. The mean western portion of the ITF was approximated at 19.2N. In parts of Senegal and Mauritania, the ITF had slightly retreated southward from its previous dekadal position. However, further east, the ITF experienced its greatest advancement over parts of Mali and Niger, where considerable moisture advection and rainfall had extended nearly into parts of southern Algeria during late-July. The mean eastern portion of the ITF was approximated at 18.0N, and has remained ahead of its climatological average position for the past several dekads. In the far east, however, the ITF did experience some withdraw over parts of central and eastern Sudan compared to the last dekad. The above map (Figure 1) shows the current ITF position relative to the positions of climatology for the third dekad of July, and its previous placement during the second dekad of July. Figures 2 and 3 are time series illustrating the mean latitudinal values of the western and eastern portions of the ITF, respectively, and their observed progression since April, 2010.